

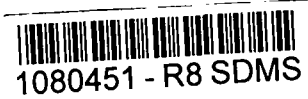
# *Resource Management Consultants*

8138 South State Street, Suite 2A  
Midvale, UT 84047  
801-255-2626



RECEIVED

JUL 25 2008



July 10, 2008

Kathryn Hernandez  
United States Environmental Protection Agency  
Region 8      Ref: 8EPR-EP  
1595 Wynkoop St  
Denver, CO 80202

## **RE: Richardson Flat Quarterly Status Report for April through June 2008**

Dear Ms. Hernandez:

This Quarterly Status Report details site activities conducted at Richardson Flat for April through June 2008.

### **Sampling Activities Conducted:**

One confirmation sediment sample was collected after a portion of the South Diversion Ditch (SDD) adjacent to the Park and Ride (P&R) was remediated. The sample was collected below the P&R entrance road where a culvert was placed in the SDD prior to fill placement. A Site Plan for the Park and Ride area is presented in Figure 1.

Three samples were collected from imported soils as required by the Remedial Design/Remedial Action Work Plan (RD/RA). One composite sample was collected from each of three onsite stockpiles. Each composite sample consisted of five subsamples.

Four personnel air samples were collected during remedial activities. Ambient air samples were collected upwind and downwind, and two samples were collected which represented worker exposures.

XRF screening was conducted on an as-needed basis concurrently with soil importation and remedial activities. The XRF was used for field guidance only during this time period.

All sampling was conducted in accordance with the RD/RA Field Sampling Plan (RMC, 2007).

### **Results:**

The sediment sample collected from the remediated portion of the SDD below the P&R entrance road crossing contained 15 ppm arsenic and 190 ppm lead. The sample was collected from native soils prior to construction of the P&R entrance road. The lead concentration was below the sediment PRG of 350 ppm.

Sample results from soil imported from a hospital construction project indicate a range of <5.7

ppm to 7.4 ppm for arsenic and 7.9 to 41 ppm for lead. The range of lead concentrations is below the Site soil PRG of 500 ppm.

Air monitoring sampling results are presented in Table 1. All air monitoring results are below OSHA Action Levels and Permissible Exposure Limits.

#### **Other Activity:**

Park and Ride Construction – Construction of the Park and Ride Lot (P&R) in Task Area 1 started during June 2008. Park and Ride construction consisted of placement and compaction of fill and the construction of the entrance road, which included the installation of a culvert in the SDD.

The South Diversion Ditch and an area of adjacent tailings were remediated as part of P&R construction. During the excavation activities associated with the P&R, an area of tailings was observed between the containment berm and SDD. The area of tailings is presented in Figure 1. Some of these tailings appeared to be saturated. Remediation was undertaken to isolate shallow groundwater and surface water from the tailings. Remediation consisted of the removing the saturated tailings and sediment from the SDD. A segment of the SDD was enlarged as part of this remediation. Enlargement of the SDD will eventually increase wetland area and offset the loss of wetlands resulting from the construction of the P&R entrance road. Remediation was conducted in accordance with procedures described in the RD/RA Work Plan (RMC, 2007). The area that underwent remediation is presented in Figure 1.

The pond located the downstream end of the SDD is being enlarged. The clayey gravel removed from the pond is high quality fill material and is being used as fill for the Park and Ride entrance road where it crosses the SDD. Increasing the size of the pond and associated wetlands will be used to offset Natural Resource Damages (NRD).

Fifty Austree hybrid willow trees (*Salix Matsudana X Alba*) were planted in the Cottonwood Wetland. The tree planting area is presented in Figure 1.

United Park submitted the Task 1 Field Construction Plan, Task 1 Task Completion Report, Certificate of Completion for Task 1 and a revised draft Operations and Maintenance Plan on June 26, 2008.

EPA conducted a site inspection on June 20, 2008 as part of the Task 1 completion process.

Approximately 17,000 cubic yards of material were imported from the Montage Hotel construction site location in Empire Canyon. Much of it was used during the Park and Ride Construction.

#### **Planned Activities: July through September 2008**

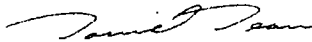
Park and Ride Construction will continue. Construction will consist of the placement and compaction of fill, grading of drainage features, paving and revegetation. The P&R should be completed during this time period.

RMC will submit the Task 2 Field Construction Plan and conduct remediation in the Task 2 Area. RMC will submit additional Field Construction plans as required.

RMC will collect import samples for every 5,000 cubic yards in accordance with the Field Sampling Plan (RMC, 2007). Additional opportunity samples will be collected as required.

If you should have any questions or comments, please contact me at 801-255-2626.

Best regards,



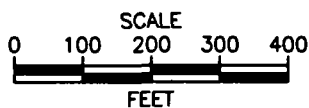
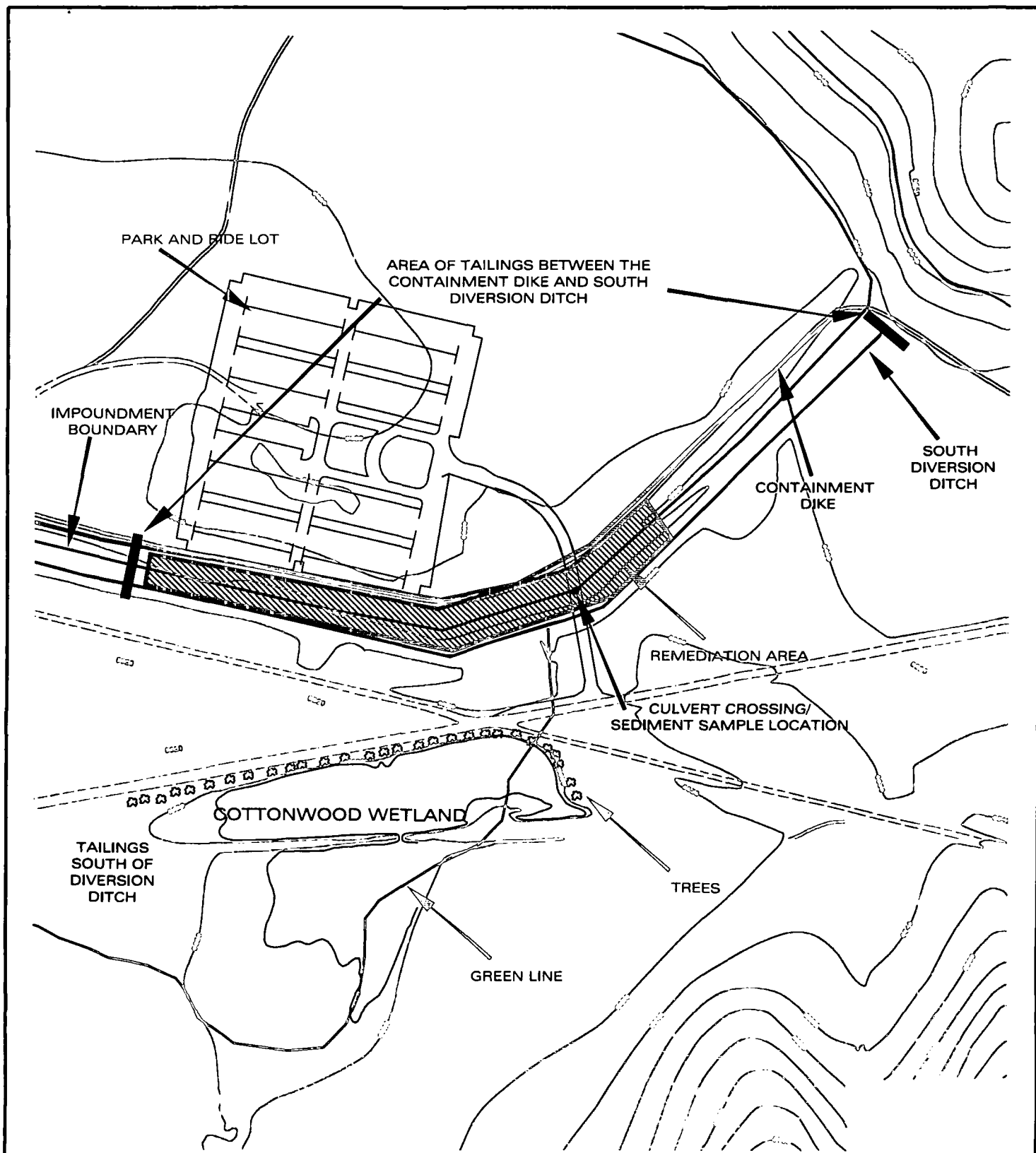
Daniel Dean  
RMC

Cc: Kerry Gee, Kevin Murray, Dan Wall, Christine Cline, Muhammed Slam

Attachments:

Figure 1 – P&R Site Plan  
Table 1 – Air Monitoring Results  
Laboratory Reports

SAMPLE ID	ARSENIC mg/ SAMPLE		ARSENIC ug/m3	ARSENIC PEL (ug/m3)	LEAD mg/ SAMPLE		LEAD ug/m3	LEAD PEL (ug/m3)	Air Volume L	NOTES
RFT-1	<	0.000075	< 0.111	10	<	0.00005	< 0.074	50	674	Upwind Sample
RFT-2	<	0.000075	< 0.110	10		0.0001	0.146	50	684	Downwind Sample
RFT-3	<	0.000075	< 0.108	10		0.00011	0.159	50	694	Site Worker Personal Sample
RFT-4	<	0.000075	< 0.123	10		0.000063	0.103	50	610	Site Worker Personal Sample



NOTE: LOCATIONS APPROXIMATE, NOT SURVEYED

## Richardson Flat

### FIGURE 1 PARK AND RIDE SITE PLAN

RESOURCE MANAGEMENT CONSULTANTS



8138 SOUTH STATE ST.  
SUITE 2A  
MIDVALE, UT 84047  
801-255-2626

JULY 2008

jul qtr'ly report.dwg



AMERICAN  
WEST  
ANALYTICAL  
LABORATORIES

463 West 3600 South  
Salt Lake City, Utah  
84115

June 25, 2008

Kerry Gee  
United Park City Mines Co.  
PO Box 1450  
Park City, UT 84060

TEL: (435) 608-0954

FAX: (435) 615-1239

RE: Richardson

Lab Set ID: L84653

Dear Kerry Gee:

American West Analytical Labs received 4 samples on 6/19/2008 for the analyses presented in the following report.

(801) 263-8686

Toll Free (888) 263-8686

Fax (801) 263-8687

mail: awal@awal-labs.com

All analyses were performed in accordance to National Environmental Laboratory Accreditation Program (NELAP) protocols unless noted otherwise. If you have any questions or concerns regarding this report please feel free to call.

Kyle F. Gross  
Laboratory Director

Thank you.

Jose Rocha  
QA Officer

Approved by: Jose G. Rocha  
Laboratory Director or designee

Report Date: 6/25/2008 Page 1 of 8



## INORGANIC ANALYSIS REPORT

Client: United Park City Mines Co.  
Project ID: Richardson

Contact: Kerry Gee

AMERICAN  
WEST  
ANALYTICAL  
LABORATORIES

Lab Sample ID: L84653-01A  
Field Sample ID: RFT-1 (674 Liters)  
Collected: 6/18/2008  
Received: 6/19/2008

### TOTAL METALS

463 West 3600 South  
Salt Lake City, Utah  
84115

Analytical Results	Units	Date Analyzed	Method Used	Reporting Limit	Analytical Results
Arsenic	mg/sample	6/20/2008 7:21:52 PM	6020	0.000075	< 0.000075
Lead	mg/sample	6/20/2008 7:21:52 PM	6020	0.000050	< 0.000050

(801) 263-8686

Toll Free (888) 263-8686

Fax (801) 263-8687

mail: awal@awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

Report Date: 6/25/2008 Page 2 of 8



## INORGANIC ANALYSIS REPORT

Client: United Park City Mines Co.  
Project ID: Richardson

Contact: Kerry Gee

**AMERICAN  
WEST  
ANALYTICAL  
LABORATORIES**

Lab Sample ID: L84653-02A  
Field Sample ID: RFT-2 (684 Liters)  
Collected: 6/18/2008  
Received: 6/19/2008

### **TOTAL METALS**

463 West 3600 South  
Salt Lake City, Utah  
84115

<b>Analytical Results</b>	<b>Units</b>	<b>Date Analyzed</b>	<b>Method Used</b>	<b>Reporting Limit</b>	<b>Analytical Results</b>
Arsenic	mg/sample	6/20/2008 7:38:05 PM	6020	0.000075	< 0.000075
Lead	mg/sample	6/20/2008 7:38:05 PM	6020	0.000050	0.00010

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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

Report Date: 6/25/2008 Page 3 of 8





## INORGANIC ANALYSIS REPORT

Client: United Park City Mines Co.  
Project ID: Richardson

Contact: Kerry Gee

AMERICAN  
WEST  
ANALYTICAL  
LABORATORIES

Lab Sample ID: L84653-03A  
Field Sample ID: RFT-3 (694 Liters)  
Collected: 6/18/2008  
Received: 6/19/2008

### TOTAL METALS

463 West 3600 South  
Salt Lake City, Utah  
84115

Analytical Results	Units	Date Analyzed	Method Used	Reporting Limit	Analytical Results
Arsenic	mg/sample	6/20/2008 7:43:29 PM	6020	0.000075	< 0.000075
Lead	mg/sample	6/20/2008 7:43:29 PM	6020	0.000050	0.00011

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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

Report Date: 6/25/2008 Page 4 of 8



## INORGANIC ANALYSIS REPORT

Client: United Park City Mines Co.  
Project ID: Richardson

Contact: Kerry Gee

AMERICAN  
WEST  
ANALYTICAL  
LABORATORIES

Lab Sample ID: L84653-04A  
Field Sample ID: RFT-4 (610 Liters)  
Collected: 6/18/2008  
Received: 6/19/2008

### TOTAL METALS

463 West 3600 South  
Salt Lake City, Utah  
84115

Analytical Results	Units	Date Analyzed	Method Used	Reporting Limit	Analytical Results
Arsenic	mg/sample	6/20/2008 7:48:53 PM	6020	0.000075	< 0.000075
Lead	mg/sample	6/20/2008 7:48:53 PM	6020	0.000050	0.000063

(801) 263-8686  
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Email: awal@awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

Report Date: 6/25/2008 Page 5 of 8



# AMERICAN WEST ANALYTICAL LABORATORIES

463 West 3600 South  
Salt Lake City, Utah 84115  
(801) 263-8686, Toll Free (888) 263-8686, Fax (801) 263-8687  
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

CLIENT: United Park City Mines Co.  
Work Order: L84653  
Project: Richardson

Dept: ME

SampType: LCS

Sample ID	Analyte	Units	Method	Result	Amount Spiked	Original Amount	%REC	Limits	%RPD	RPD Limit	Qualifiers	Analysis Date
LCS-41010	Arsenic	mg/L	6020	0.1886	0.2	0	94.3	85-115				6/20/2008
LCS-41010	Lead	mg/L	6020	0.1972	0.2	0.00006	98.6	85-115				6/20/2008

Report Date: 6/25/2008 Page 6 of 8



# AMERICAN WEST ANALYTICAL LABORATORIES

463 West 3600 South  
Salt Lake City, Utah 84115  
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e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

CLIENT: United Park City Mines Co.  
Work Order: L84653  
Project: Richardson

Dept: ME

SampType: LCSD

Sample ID	Analyte	Units	Method	Result	Amount Spiked	Original Amount	%REC	Limits	%RPD	RPD Limit	Qualifiers	Analysis Date
LCSD-41010	Arsenic	mg/L	6020	0.1831	0.2	0	91.6	85-115	2.95	20		6/20/2008
LCSD-41010	Lead	mg/L	6020	0.1928	0.2	0.00006	96.4	85-115	2.27	20		6/20/2008

Insufficient sample mass/volume was received to perform MS/MSD analysis. An LCSD was added to provide precision data.



# AMERICAN WEST ANALYTICAL LABORATORIES

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e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

CLIENT: United Park City Mines Co.  
Work Order: L84653  
Project: Richardson

Dept: ME

SampType: MBLK

Sample ID	Analyte	Units	Method	Result	Amount Spiked	Original Amount	%REC	Limits	%RPD	RPD Limit	Qualifiers	Analysis Date
MB-41010	Arsenic	mg/L	6020	< 0.00015				-				6/20/2008
MB-41010	Lead	mg/L	6020	< 0.00010				-				6/20/2008

# American West Analytical Labs

## WORK ORDER Summary

20-Jun-08

Work Order L84653

Client ID: UNI100

QC Level: 2+

Project: Richardson

Location: *Hughes*

Contact: Kerry Gee

Comments: QCLevel: 2+; Email 2 People. Use lowest detection limit possible for all analysis.

*SP*

Sample ID	Client Sample ID	Collection Date	Date Received	Date Due	Matrix	Test Code	Storage	
L84653-01A	RFT-1 (674 Liters)	6/18/2008	6/19/2008	7/3/2008	Filter	3051A-ICPMS	desicator june 19 - met	1
				7/3/2008		6020-S	desicator june 19 - met	1
L84653-02A	RFT-2 (684 Liters)			7/3/2008		3051A-ICPMS	desicator june 19 - met	1
				7/3/2008		6020-S	desicator june 19 - met	1
L84653-03A	RFT-3 (694 Liters)			7/3/2008		3051A-ICPMS	desicator june 19 - met	1
				7/3/2008		6020-S	desicator june 19 - met	1
L84653-04A	RFT-4 (610 Liters)			7/3/2008		3051A-ICPMS	desicator june 19 - met	1
				7/3/2008		6020-S	desicator june 19 - met	1

LABORATORY USE ONLY	
SAMPLES WERE:	
1 Shipped or hand delivered	
Notes:	
2 Ambient or Cooled	
Notes:	
3 Temperature	20.0
4 Received Broken/Leaking (improperly Sealed)	
Y	N
Notes:	
5 Properly Preserved	
Y	N
Notes:	
6 Received Within Holding Time	
Y	N
Notes:	

# RMC

## Laboratory Services Request Form

846577

I. CLIENT INFORMATION				SEND REQUESTS TO:	
Client Name: <u>UNITED PARK CITY MINES</u>				<b>American West</b> <b>Analytical Laboratories</b> <b>463 W. 3600 South</b> <b>Salt Lake City, UT</b> <b>84115</b>	
Client Address: <u>PO BOX 1450 PARK CITY, UT 84060</u>					
Client Phone: <u>435-608-0954</u>					
Client Fax: <u>435-615-1239</u>					
II. ACCOUNT INFORMATION				<b>Patrick Noteboom</b> <b>Phone # (801) 750-2585</b> <b>Fax (801)-263-8687</b>	
Account Name: _____					
Sample Questions- <u>Todd Leeds RMC- 801-255-2626</u>					
TAT: <u>Standard</u> P.O. No: <u>Richardson</u>					
III. REPORT INSTRUCTIONS					
Report Results To: <u>KERRY GEE- UPCM AND TODD LEEDS - RMC FAX-255-3266</u>					
Report Address: <u>PO BOX 1450 PARK CITY UT 84060 AND TODD LEEDS, RMC, 8138 S. STATE ST., STE 2A, MIDVALE UT 84047</u>					
Please Forward Results By: <u>US Mail (X)</u> <u>Fed Ex ( )</u> <u>Fax (X)</u> <u>Othe Todd@rmc-ut.com</u>					
Services Requested below are required no later than _____ (date)					
IV. TYPE OF SERVICE REQUESTED					
Please analyze the enclosed environmental samples for:					
Lab Use Only Lab No.	Field Sample No./Description	Sampling Date & Time	No. of Cont.	Analysis Requested	
	<del>RFT-1</del> RFT-1 (674 l. test)	6-18-2008	1	Pb + As	
	RFT-2 (684 ")	↓	↓	↓	
	RFT-3 (694 ")	↓	↓	↓	
	RFT-4 (610 ")	↓	↓	↓	
notes: <u>Cd detection limit must be below 0.0008 ppm lowest available detection limit for all analytes</u>					
V. CHAIN OF CUSTODY RECORD					
Dispatched by: _____			Date _____ Time _____		Courier Co. Name _____
Relinquished by: <u>[Signature]</u>			Date <u>6-19-2008</u> Time <u>14:44</u>		Airbill # _____
Received by: <u>[Signature]</u>			Date <u>6/19/08</u> Time <u>1444</u>		Custody Seal Intact?
Received for lab by: _____			Date _____ Time _____		Yes _____ No _____